

SI Units and Conversion Factors

Length	SI Unit: meter (m)	Mass	SI Unit: kilogram (kg)
	1 meter = 1.0936 yards 1 centimeter = 0.39370 inch 1 inch = 2.54 centimeters 1 mile = 5280 feet = 1.6093 kilometers	1 kilogram = 1000 grams = mass weighing 2.2046 lbs 1 amu = 1.66057×10^{-27} kilograms	
		Time	SI Unit: second (s)
		1 hour = 60 minutes 1 hour = 3600 seconds	
Volume	SI Unit: cubic meter (m ³)	Energy	SI Unit: joule (J)
	1 liter = 10^{-3} m ³ = 1.0567 quarts 1 gallon = 4 quarts = 8 pints = 3.7854 liters 1 quart = 32 fluid ounces = 0.94635 liter	1 joule = 1 kg · m ² /s ² (exact) 1 joule = 0.23901 calorie 1 calorie = 4.184 joules	
		Pressure	SI Unit: Pascal (Pa)
		1 atmosphere = 101.3 kilopascals = 760 mm Hg (torr) = 14.70 pounds per square inch	
Temperature	SI Unit: kelvin (K)		
1 kelvin = 1 Celsius degree °C = (5/9) (°F – 32) kelvin temperature = °C + 273.15			